

WEST Search History



DATE: Wednesday, July 07, 2004

| Hide? | Set Name | Query | Hit Count |
|--------------------------|-----------------|---|------------------|
| | | <i>DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i> | |
| <input type="checkbox"/> | L6 | L5 and liposome | 14 |
| <input type="checkbox"/> | L5 | et\$18\$o\$ch3 | 31 |
| <input type="checkbox"/> | L4 | L3 and 424/450.ccls. | 2073 |
| <input type="checkbox"/> | L3 | et\$18\$ | 2857558 |
| <input type="checkbox"/> | L2 | (ether adj3 \$lipid) same liposome | 62 |
| <input type="checkbox"/> | L1 | (ether adj1 \$lipid) same liposome | 38 |

END OF SEARCH HISTORY

[First Hit](#) [Fwd Refs](#) [Previous Doc](#) [Next Doc](#) [Go to Doc#](#)



L1: Entry 6 of 38

File: USPT

Jan 25, 2000

US-PAT-NO: 6017557

DOCUMENT-IDENTIFIER: US 6017557 A

TITLE: Carriers containing an etherlipid/complementarily shape lipid combination
and therapeutic uses thereof

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------------|-------|----------|---------|
| Franklin; J. Craig | Skillman | NJ | | |
| Mayhew; Eric | Monmouth Junction | NJ | | |
| Perkins; Walter | Hopewell Township | NJ | | |
| Janoff; Andrew | Yardley | PA | | |

US-CL-CURRENT: 424/450; 428/402.2

CLAIMS:

What is claimed is:

1. A method of treating an animal afflicted with a cancer which comprises reducing the size of a cancerous tumor susceptible to the cytotoxic effects of an etherlipid, the method comprising the steps of administering to the animal a pharmaceutical composition comprising:

(a) a pharmaceutically acceptable carrier; and,

(b) a lipid-based carrier having a lipid component which consists essentially of:

(i) an etherlipid having the formula: ##STR5## (ii) a complementarily shaped lipid, wherein:

R^{sup.1} is a group having the formula Y_{sub.1} Y_{sub.2} ;

Y_{sub.1} is --(CH_{sub.2})_{sub.n1} (CH_{dbd}.CH)_{sub.n2} (CH_{sub.2})_{sub.n3}
(CH_{dbd}.CH)_{sub.n4} (CH_{sub.2})_{sub.n5} (CH_{dbd}.CH)_{sub.n6} (CH_{sub.2})_{sub.n7}
(CH_{dbd}.CH)_{sub.n8} (CH_{sub.2})_{sub.n9} ;

the sum of n₁+2n₂+n₃+2n₄+n₅+2n₆+n₇+2n₈+n₉ is an integer of from 9 to 23;

n₁ is zero or an integer of from 1 to 23, n₃ is zero or an integer of from 1 to 20, n₅ is zero or an integer of from 1 to 17, n₇ is zero or an integer of from 1 to 14 and n₉ is zero or an integer of from 1 to 11;

each of n_2 , n_4 , n_6 and n_8 is independently zero or 1;

$Y_{sub.2}$ is $CH_{sub.3}$ or $CO_{sub.2}H$;

Z is oxygen or sulfur;

the etherlipid comprises from about 30 mole percent to less than about 50 mole percent of the lipid component;

the complementarily shaped lipid comprises from greater than about 50 mole percent to about 70 mole percent of the lipid component; and, the MMAM.sub.actual of the lipid is at least about 20% less than the MMAM.sub.expected of the lipid, and wherein the amount of the composition administered to the animal comprises a tumor growth-reducing effective amount of the etherlipid.

2. The method of claim 1, wherein the lipid-based carrier is a liposome.

3. The method of claim 1, wherein $R_{sup.1}$ is $(CH_{sub.2})_{sub.17}CH_{sub.3}$.

4. The method of claim 3, wherein the etherlipid is:

$CH-O-(CH_{sub.2})_{sub.17}CH_{sub.3}$ ##STR6##

5. The method of claim 1, wherein the complementarily shaped lipid is cardiolipin, diarachidonoyl phosphatidylethanolamine, a neutral sterol or an anionic sterol derivative selected from the group consisting of sulfate, phosphate and organic dicarboxylic acid salt derivatives.

6. The method of claim 5, wherein the complementarily shaped lipid is the neutral sterol cholesterol.

7. The method of claim 5, wherein the complementarily shaped lipid is the anionic sterol derivative cholesterol sulfate.

8. The method of claim 5, wherein the complementarily shaped lipid comprises a neutral sterol and an anionic sterol derivative.

9. The method of claim 8, wherein the neutral sterol and anionic sterol derivative are present in the lipid at a respective molar ratio of about 5:1.

10. The method of claim 8, wherein the neutral sterol is cholesterol and the anionic sterol derivative is cholesterol sulfate.

11. The method of claim 1, wherein the etherlipid comprises about 40 mole percent of the lipid component and the complementarily shaped lipid comprises about 60 mole percent of the lipid component.

12. The method of claim 1, wherein the etherlipid is and wherein the complementarily shaped lipid is cholesterol, cholesterol sulfate or a 5:1 molar combination of cholesterol and cholesterol sulfate.

13. The method of claim 12, wherein the etherlipid comprises about 40 mole percent of the lipid component and the complementarily shaped lipid comprises

about 60 mole percent of the lipid component.

14. The method of claim 2, wherein the liposome is a unilamellar liposome having an average size of about 50-250 nm.

15. The method of claim 1, wherein the tumor growth-reducing effective amount of the etherlipid is from about 1 mg of the etherlipid per kg of the animal's body weight to about 1000 mg per kg.

16. The method of claim 1, wherein the cancer is a leukemia, lymphomas, sarcoma or carcinoma.

17. The method of claim 1, wherein the cancer is a brain, breast, prostate, colon, stomach or ovarian cancer.

18. The method of claim 1, comprising administering an additional bioactive agent to the animal.

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#) [Previous Doc](#) [Next Doc](#) [Go to Doc#](#)



L1: Entry 6 of 38

File: USPT

Jan 25, 2000

US-PAT-NO: 6017557

DOCUMENT-IDENTIFIER: US 6017557 A

TITLE: Carriers containing an etherlipid/complementarily shape lipid combination
and therapeutic uses thereof

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------------|-------|----------|---------|
| Franklin; J. Craig | Skillman | NJ | | |
| Mayhew; Eric | Monmouth Junction | NJ | | |
| Perkins; Walter | Hopewell Township | NJ | | |
| Janoff; Andrew | Yardley | PA | | |

US-CL-CURRENT: 424/450; 428/402.2

CLAIMS:

What is claimed is:

1. A method of treating an animal afflicted with a cancer which comprises reducing the size of a cancerous tumor susceptible to the cytotoxic effects of an etherlipid, the method comprising the steps of administering to the animal a pharmaceutical composition comprising:

(a) a pharmaceutically acceptable carrier; and,

(b) a lipid-based carrier having a lipid component which consists essentially of:

(i)) an etherlipid having the formula: ##STR5## (ii) a complementarily shaped lipid, wherein:

R.sub.1 is a group having the formula Y.sub.1 Y.sub.2 ;

Y.sub.1 is --(CH.sub.2).sub.n1 (CH.dbd.CH).sub.n2 (CH.sub.2).sub.n3
(CH.dbd.CH).sub.n4 (CH.sub.2).sub.n5 (CH.dbd.CH).sub.n6 (CH.sub.2).sub.n7
(CH.dbd.CH).sub.n8 (CH.sub.2).sub.n9 ;

the sum of n1+2n2+n3+2n4+n5+2n6+n7+2n8+n9 is an integer of from 9 to 23;

n1 is zero or an integer of from 1 to 23, n3 is zero or an integer of from 1 to 20, n5 is zero or an integer of from 1 to 17, n7 is zero or an integer of from 1 to 14 and n9 is zero or an integer of from 1 to 11;

each of n_2 , n_4 , n_6 and n_8 is independently zero or 1;

$Y_{sub.2}$ is $CH_{sub.3}$ or $CO_{sub.2}H$;

Z is oxygen or sulfur;

the etherlipid comprises from about 30 mole percent to less than about 50 mole percent of the lipid component;

the complementarily shaped lipid comprises from greater than about 50 mole percent to about 70 mole percent of the lipid component; and, the $MMAM_{sub.actual}$ of the lipid is at least about 20% less than the $MMAM_{sub.expected}$ of the lipid, and wherein the amount of the composition administered to the animal comprises a tumor growth-reducing effective amount of the etherlipid.

2. The method of claim 1, wherein the lipid-based carrier is a liposome.

3. The method of claim 1, wherein $R_{sup.1}$ is $(CH_{sub.2})_{sub.17}CH_{sub.3}$.

4. The method of claim 3, wherein the etherlipid is:

$CH-O-(CH_{sub.2})_{sub.17}CH_{sub.3}$ ##STR6##

5. The method of claim 1, wherein the complementarily shaped lipid is cardiolipin, diarachidonoyl phosphatidylethanolamine, a neutral sterol or an anionic sterol derivative selected from the group consisting of sulfate, phosphate and organic dicarboxylic acid salt derivatives.

6. The method of claim 5, wherein the complementarily shaped lipid is the neutral sterol cholesterol.

7. The method of claim 5, wherein the complementarily shaped lipid is the anionic sterol derivative cholesterol sulfate.

8. The method of claim 5, wherein the complementarily shaped lipid comprises a neutral sterol and an anionic sterol derivative.

9. The method of claim 8, wherein the neutral sterol and anionic sterol derivative are present in the lipid at a respective molar ratio of about 5:1.

10. The method of claim 8, wherein the neutral sterol is cholesterol and the anionic sterol derivative is cholesterol sulfate.

11. The method of claim 1, wherein the etherlipid comprises about 40 mole percent of the lipid component and the complementarily shaped lipid comprises about 60 mole percent of the lipid component.

12. The method of claim 1, wherein the etherlipid is and wherein the complementarily shaped lipid is cholesterol, cholesterol sulfate or a 5:1 molar combination of cholesterol and cholesterol sulfate.

13. The method of claim 12, wherein the etherlipid comprises about 40 mole percent of the lipid component and the complementarily shaped lipid comprises

about 60 mole percent of the lipid component.

14. The method of claim 2, wherein the liposome is a unilamellar liposome having an average size of about 50-250 nm.

15. The method of claim 1, wherein the tumor growth-reducing effective amount of the etherlipid is from about 1 mg of the etherlipid per kg of the animal's body weight to about 1000 mg per kg.

16. The method of claim 1, wherein the cancer is a leukemia, lymphomas, sarcoma or carcinoma.

17. The method of claim 1, wherein the cancer is a brain, breast, prostate, colon, stomach or ovarian cancer.

18. The method of claim 1, comprising administering an additional bioactive agent to the animal.

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

First Hit Fwd Refs Previous Doc Next Doc Go to Doc#

☐  

L1: Entry 8 of 38

File: USPT

Aug 3, 1999

US-PAT-NO: 5932242

DOCUMENT-IDENTIFIER: US 5932242 A

TITLE: Ether lipid-containing pharmaceutical compositions and therapeutic uses thereof

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------------|-------|----------|---------|
| Franklin; J. Craig | East Windsor | NJ | | |
| Mayhew; Eric | Monmouth Junction | NJ | | |
| Perkins; Walter | Skillman | NJ | | |
| Janoff; Andrew | Yardley | PA | | |

US-CL-CURRENT: 424/450

CLAIMS:

What is claimed is:

1. A pharmaceutical composition comprising:

(a) a pharmaceutically acceptable carrier; and,

(b) a lamella comprising a lipid which consists essentially of:

(i) a glycerolipid having the formula: ##STR5## (ii) a complementarily shaped lipid, wherein:

R.sub.1 is a group having the formula Y.sub.1 Y.sub.2 ;

Y.sub.1 is (CH.sub.2).sub.n1 (CH.dbd.CH).sub.n2 (CH.sub.2).sub.n3
(CH.dbd.CH).sub.n4 (CH.sub.2).sub.n5 (CH.dbd.CH).sub.n6 (CH.sub.2).sub.n7
(CH.dbd.CH).sub.n8 (CH.sub.2).sub.n9 ;

the sum of n1+2n2+n3+2n4+n5+2n6+n7+2n8+n9 is an integer of from 9 to 23;

n1 is zero or an integer of from 1 to 23, n3 is zero or an integer of from 1 to 20, n5 is zero or an integer of from 1 to 17, n7 is zero or an integer of from zero to 14 and n9 is zero or an integer of from 1 to 11;

each of n2, n4, n6 and n8 is independently zero or 1;

Y.sub.2 is CH.sub.3 or CO.sub.2 H;

Z is oxygen or sulfur;

the glycerolipid comprises from about 30 mole percent to about 50 mole percent of the lipid;

the complementarily shaped lipid comprises from about 50 mole percent to about 70 mole percent of the lipid; and,

the MMAM.sub.actual of the lipid is at least about 20% less than the MMAM.sub.expected of the lipid.

2. The composition of claim 1, wherein R.sup.1 is (CH.sub.2).sub.n1 CH.sub.3.

3. The composition of claim 2, wherein R.sup.1 is (CH.sub.2).sub.17 CH.sub.3.

4. The composition of claim 1, wherein Z is O.

5. The composition of claim 1, wherein the glycerolipid is: ##STR6##

6. The composition of claim 1, wherein the complementarily shaped lipid is a neutral sterol, anionic sterol derivative selected from the group consisting of sulfate, phosphate and organic dicarboxylic acid salt derivatives, cardiolipin or diarachidonoyl phosphatidylethanolamine.

7. The composition of claim 6, wherein the complementarily shaped lipid is the neutral sterol cholesterol.

8. The composition of claim 6, wherein the complementarily shaped lipid is the anionic sterol derivative cholesterol sulfate.

9. The composition of claim 6, wherein the complementarily shaped lipid comprises a neutral sterol and an anionic sterol derivative.

10. The composition of claim 9, wherein the neutral sterol is cholesterol and the anionic sterol derivative is cholesterol sulfate.

11. The composition of claim 9, wherein the neutral sterol and anionic sterol derivative are present in the lipid at a respective molar ratio of about 5:1.

12. The composition of claim 1, wherein the glycerolipid comprises about 40 mole percent of the lamellar lipid and the complementarily shaped lipid comprises about 60 mole percent of the lamellar lipid.

13. The composition of claim 1, wherein the glycerolipid is and wherein the complementarily shaped lipid is cholesterol.

14. The composition of claim 13, wherein the glycerolipid comprises about 40 mole percent of the lipid and the complementarily shaped lipid comprises about 60 mole percent of the lipid.

15. The composition of claim 1, wherein the glycerolipid is ##STR7## and wherein the complementarily shaped lipid is cholesterol sulfate.

16. The composition of claim 15, wherein the glycerolipid comprises about 40

mole percent of the lipid and the complementarily shaped lipid comprises about 60 mole percent of the lipid.

17. The composition of claim 1, wherein the glycerolipid is ##STR8## wherein the complementarily shaped lipid comprises cholesterol and cholesterol sulfate and wherein cholesterol and cholesterol sulfate are present in the lipid of a respective molar ratio of about 5:1.

18. The composition of claim 17, wherein the glycerolipid comprises about 40 mole percent of the lipid and the complementarily shaped lipid comprises about 60 mole percent of the lipid.

19. The composition of claim 1, wherein the lamella is a liposomal bilayer.

20. The composition of claim 19, wherein the liposome is a unilamellar liposome having an average size of about 50-250 nm.

21. The composition of claim 19, wherein the liposome is a multilamellar liposome.

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Caterina Collection

L1: Entry 16 of 38

File: USPT

Jan 11, 1994

DOCUMENT-IDENTIFIER: US 5277913 A

**** See image for Certificate of Correction ****

TITLE: Liposomal delivery system with photoactivatable triggered release

Detailed Description Text (92):

Other examples of plasmalogens that would be suitable for making the liposomes of the present invention include bis-vinyl ether lipid (having an sn-1 and sn-2 chain) or (sn-1).sub.2 or (sn-2).sub.2 ; mono or bis-enamine; mono or bis-vinyl ether that is non-glycerol based.

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Hit List



Search Results - Record(s) 1 through 30 of 38 returned.

☐ 1. Document ID: US 6667053 B1

Using default format because multiple data bases are involved.

L1: Entry 1 of 38

File: USPT

Dec 23, 2003

US-PAT-NO: 6667053

DOCUMENT-IDENTIFIER: US 6667053 B1

TITLE: D and L etherlipid stereoisomers and liposomes

DATE-ISSUED: December 23, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|----------|-------|----------|---------|
| Ahmad; Imran | Cranbury | NJ | | |
| Mayhew; Eric | Seattle | WA | | |
| Janoff; Andrew | Yardley | PA | | |

US-CL-CURRENT: 424/450; 428/402.2



☐ 2. Document ID: US 6403117 B1

L1: Entry 2 of 38

File: USPT

Jun 11, 2002

US-PAT-NO: 6403117

DOCUMENT-IDENTIFIER: US 6403117 B1

TITLE: Archaesomes, archaeosomes containing coenzyme Q10 and other types of liposomes containing coenzyme Q10 adjuvants and as delivery vehicles

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|----------|-------|----------|---------|
| Sprott; G. Dennis | Orleans | | | CA |
| Patel; Girishchandra B. | Nepean | | | CA |
| Makabi-Panzu; Boby | Gatineau | | | CA |

US-CL-CURRENT: 424/450; 424/1.21, 424/184.1, 424/193.1, 424/204.1, 424/812,
424/9.321, 424/9.51, 424/94.3, 436/829

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGURE | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|

☐ 3. Document ID: US 6395713 B1

L1: Entry 3 of 38

File: USPT

May 28, 2002

US-PAT-NO: 6395713

DOCUMENT-IDENTIFIER: US 6395713 B1

TITLE: Compositions for the delivery of negatively charged molecules

DATE-ISSUED: May 28, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|------------|-------|----------|---------|
| Beigelman; Leonid | Longmont | CO | | |
| Matulic-Adamic; Jasenka | Boulder | CO | | |
| Karpeisky; Alex | Lafayette | CO | | |
| Haeberli; Peter | Berthoud | CO | | |
| Sweedler; David | Louisville | CO | | |
| Reynolds; Mark | Lafayette | CO | | |
| Chaudhary; Nilabh | Superior | CO | | |
| Min; John | Longmont | CO | | |

US-CL-CURRENT: 514/44; 424/422, 424/423, 424/449, 424/450, 435/458, 554/105,
560/158, 560/159, 560/180, 560/190, 564/157 , 564/159, 564/511

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGURE | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|

☐ 4. Document ID: US 6132789 A

L1: Entry 4 of 38

File: USPT

Oct 17, 2000

US-PAT-NO: 6132789

DOCUMENT-IDENTIFIER: US 6132789 A

TITLE: Archaeosomes, archaeosomes containing coenzyme Q.sub.10, and other types of liposomes containing coenzyme Q.sub.10 as adjuvants and as delivery vehicles

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|----------|-------|----------|---------|
| Sprott; G. Dennis | Orleans | | | CA |
| Patel; Girishchandra B. | Nepean | | | CA |
| Makabi-Panzu; Bobby | Gatineau | | | CA |
| Tolson; Douglas L. | Victoria | | | CA |

US-CL-CURRENT: 426/450; 424/184.1, 424/193.1, 424/812, 436/829

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 5. Document ID: US 6090406 A

L1: Entry 5 of 38

File: USPT

Jul 18, 2000

US-PAT-NO: 6090406

DOCUMENT-IDENTIFIER: US 6090406 A

TITLE: Potentiation of immune responses with liposomal adjuvants

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------------|-------|----------|---------|
| Popescu; Mircea C. | Plainsboro | NJ | | |
| Weiner; Alan L. | Lawrenceville | NJ | | |
| Recine; Marie S. | Hamilton Township | NJ | | |
| Janoff; Andrew S. | Yardley | PA | | |
| Estis; Leonard | Upton | MA | | |
| Keyes; Lynn D. | Upton | MA | | |
| Alving; Carl R. | Bethesda | MD | | |

US-CL-CURRENT: 424/450; 264/4.1, 424/196.11, 424/204.1, 424/206.1, 424/234.1,
424/812

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 6. Document ID: US 6017557 A

L1: Entry 6 of 38

File: USPT

Jan 25, 2000

US-PAT-NO: 6017557

DOCUMENT-IDENTIFIER: US 6017557 A

TITLE: Carriers containing an etherlipid/complementarily shape lipid combination
and therapeutic uses thereof

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------------|-------|----------|---------|
| Franklin; J. Craig | Skillman | NJ | | |
| Mayhew; Eric | Monmouth Junction | NJ | | |
| Perkins; Walter | Hopewell Township | NJ | | |
| Janoff; Andrew | Yardley | PA | | |

US-CL-CURRENT: 424/450; 428/402.2

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 7. Document ID: US 5989587 A

L1: Entry 7 of 38

File: USPT

Nov 23, 1999

US-PAT-NO: 5989587

DOCUMENT-IDENTIFIER: US 5989587 A

**** See image for Certificate of Correction ****

TITLE: Formation of stable liposomes from lipid extracts of archaeobacteria
(archaeu)

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|--------|-------|----------|---------|
| Sprott; G. Dennis | Ottawa | | | CA |
| Patel; Girishchandra B. | Nepean | | | CA |
| Choquet; Christian G. | Quebec | | | CA |
| Ekiel; Irena | Quebec | | | CA |

US-CL-CURRENT: 424/450; 428/402.2, 554/213, 554/79, 554/80

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 8. Document ID: US 5932242 A

L1: Entry 8 of 38

File: USPT

Aug 3, 1999

US-PAT-NO: 5932242

DOCUMENT-IDENTIFIER: US 5932242 A

TITLE: Ether lipid-containing pharmaceutical compositions and therapeutic uses
thereof

DATE-ISSUED: August 3, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------------|-------|----------|---------|
| Franklin; J. Craig | East Windsor | NJ | | |
| Mayhew; Eric | Monmouth Junction | NJ | | |
| Perkins; Walter | Skillman | NJ | | |
| Janoff; Andrew | Yardley | PA | | |

US-CL-CURRENT: 424/450

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 9. Document ID: US 5916588 A

L1: Entry 9 of 38

File: USPT

Jun 29, 1999

US-PAT-NO: 5916588

DOCUMENT-IDENTIFIER: US 5916588 A

TITLE: Peptide-containing liposomes, immunogenic liposomes and methods of preparation and use

DATE-ISSUED: June 29, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------------|-------|----------|---------|
| Popescu; Mircea C. | Plainsboro | NJ | | |
| Weiner; Alan L. | Lawrenceville | NJ | | |
| Recine; Marie S. | Hamilton Township | NJ | | |
| Janoff; Andrew S. | Yardley | PA | | |
| Estis; Leonard | Upton | MA | | |
| Keyes; Lynn D. | Upton | MA | | |
| Alving; Carl R. | Bethesda | MD | | |

US-CL-CURRENT: 424/450; 424/184.1

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 10. Document ID: US 5762958 A

L1: Entry 10 of 38

File: USPT

Jun 9, 1998

US-PAT-NO: 5762958

DOCUMENT-IDENTIFIER: US 5762958 A

TITLE: Multilipid component ether lipid liposomes

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-------------------|-------|----------|---------|
| Mayhew; Eric | Monmouth Junction | NJ | | |
| Janoff; Andrew S. | Yardley | PA | | |
| Ahmad; Imran | Cranbury | NJ | | |
| Bhatia; Suresh K. | New Delhi | | | IN |

US-CL-CURRENT: 424/450; 428/402.2

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 11. Document ID: US 5681589 A

L1: Entry 11 of 38

File: USPT

Oct 28, 1997

US-PAT-NO: 5681589

DOCUMENT-IDENTIFIER: US 5681589 A

**** See image for Certificate of Correction ****

TITLE: Liposomal ceramide-related liposomes and the therapeutic use thereof

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-------------------|-------|----------|---------|
| Wei; Yong | Branchburg | NJ | | |
| Mayhew; Eric | Monmouth Junction | NJ | | |
| Ahmad; Imran | Plainsboro | NJ | | |
| Janoff; Andrew S. | Yardley | PA | | |

US-CL-CURRENT: 424/450; 428/402.2

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 12. Document ID: US 5677337 A

L1: Entry 12 of 38

File: USPT

Oct 14, 1997

US-PAT-NO: 5677337

DOCUMENT-IDENTIFIER: US 5677337 A

**** See image for Certificate of Correction ****

TITLE: Methods of treatment using pharmaceutically active ceramide-related compositions

DATE-ISSUED: October 14, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-------------------|-------|----------|---------|
| Wei; Yong | Branchburg | NJ | | |
| Mayhew; Eric | Monmouth Junction | NJ | | |
| Ahmad; Imran | Plainsboro | NJ | | |
| Janoff; Andrew S. | Yardley | PA | | |

US-CL-CURRENT: 514/546; 424/450, 514/549, 514/551, 514/552, 514/63

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 13. Document ID: US 5631394 A

L1: Entry 13 of 38

File: USPT

May 20, 1997

US-PAT-NO: 5631394

DOCUMENT-IDENTIFIER: US 5631394 A

**** See image for Certificate of Correction ****

TITLE: Pharmaceutically active ceramide-related compounds

DATE-ISSUED: May 20, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-------------------|-------|----------|---------|
| Wei; Yong | Branchburg | NJ | | |
| Mayhew; Eric | Monmouth Junction | NJ | | |
| Ahmad; Imran | Plainsboro | NJ | | |
| Janoff; Andrew S. | Yardley | PA | | |

US-CL-CURRENT: 556/404; 556/405, 562/455, 562/567, 564/169, 564/199, 564/200,
564/84, 564/88, 564/95

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGURE | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|

☐ 14. Document ID: US 5441746 A

L1: Entry 14 of 38

File: USPT

Aug 15, 1995

US-PAT-NO: 5441746

DOCUMENT-IDENTIFIER: US 5441746 A

**** See image for Certificate of Correction ****

TITLE: Electromagnetic wave absorbing, surface modified magnetic particles for use in medical applications, and their method of production

DATE-ISSUED: August 15, 1995

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|--------|-------|----------|---------|
| Chagnon; Mark S. | Pelham | NH | | |

US-CL-CURRENT: 424/450; 424/490, 424/498, 424/600, 424/617, 424/630, 424/635,
424/639, 424/641, 424/644, 424/646, 424/650, 428/402.24

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGURE | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|

☐ 15. Document ID: US 5389377 A

L1: Entry 15 of 38

File: USPT

Feb 14, 1995

US-PAT-NO: 5389377

DOCUMENT-IDENTIFIER: US 5389377 A

**** See image for Certificate of Correction ****

TITLE: Solid care therapeutic compositions and methods for making same

DATE-ISSUED: February 14, 1995

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|-------------|-------|----------|---------|
| Chagnon; Mark S. | Pelham | NH | | |
| Ferris; John R. | Newburyport | MA | | |
| Hamilton; Tracy J. | Salem | NH | | |
| Rudd; Edwin A. | Salem | NH | | |
| Carter; Michelle J. | Derry | NH | | |

US-CL-CURRENT: 424/450; 424/490, 424/498, 424/600, 424/617, 424/630, 424/635,
424/639, 424/641, 424/644, 424/646, 424/650, 428/402.24

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 16. Document ID: US 5277913 A

L1: Entry 16 of 38

File: USPT

Jan 11, 1994

US-PAT-NO: 5277913

DOCUMENT-IDENTIFIER: US 5277913 A

**** See image for Certificate of Correction ****

TITLE: Liposomal delivery system with photoactivatable triggered release

DATE-ISSUED: January 11, 1994

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------------|-------------|-------|----------|---------|
| Thompson; David H. | Portland | OR | 97229 | |
| Anderson; Valerie C. | Lake Oswego | OR | 97034 | |

US-CL-CURRENT: 424/450; 424/417, 428/402.2, 436/829

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KOMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 17. Document ID: US 5169637 A

L1: Entry 17 of 38

File: USPT

Dec 8, 1992

US-PAT-NO: 5169637

DOCUMENT-IDENTIFIER: US 5169637 A

TITLE: Stable plurilamellar vesicles

DATE-ISSUED: December 8, 1992

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|--------------|-------|----------|---------|
| Lenk; Robert P. | Lambertville | NJ | | |

| | | |
|----------------------|-------------------------------|----|
| Fountain; Michael W. | Griggstown | NJ |
| Janoff; Andrew S. | Yardley | PA |
| Popescu; Mircea C. | Plainsboro | NJ |
| Weiss; Steven J. | Hightstown | NJ |
| Ginsberg; Richard S. | Monroe Township, Salem County | NJ |
| Ostro; Marc J. | Griggstown | NJ |
| Gruner; Sol M. | Lawrenceville | NJ |

US-CL-CURRENT: [424/450](#); [514/152](#), [514/192](#), [514/2](#), [514/29](#), [514/39](#), [514/41](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 18. Document ID: US 5059421 A

L1: Entry 18 of 38

File: USPT

Oct 22, 1991

US-PAT-NO: 5059421

DOCUMENT-IDENTIFIER: US 5059421 A

TITLE: Preparation of targeted liposome systems of a defined size distribution

DATE-ISSUED: October 22, 1991

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|--------------|-------|----------|---------|
| Loughrey; Helen C. | Vancouver | | | CA |
| Cullis; Pieter R. | Vancouver | | | CA |
| Bally; Marcel B. | Bowen Island | | | CA |
| Choi; Lewis S. L. | Burnaby | | | CA |
| Wong; Kim F. | Vancouver | | | CA |

US-CL-CURRENT: [424/417](#); [264/4.3](#), [424/418](#), [424/450](#), [435/4](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 19. Document ID: US 5030453 A

L1: Entry 19 of 38

File: USPT

Jul 9, 1991

US-PAT-NO: 5030453

DOCUMENT-IDENTIFIER: US 5030453 A

TITLE: Stable plurilamellar vesicles

DATE-ISSUED: July 9, 1991

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|--------------|-------|----------|---------|
| Lenk; Robert P. | Lambertville | NJ | | |

| | | |
|----------------------|------------------|----|
| Fountain; Michael W. | Griggstown | NJ |
| Janoff; Andrew S. | Yardley | PA |
| Popescu; Mircea C. | Plainsboro | NJ |
| Weiss; Steven J. | Hightstown | NJ |
| Ginsberg; Richard S. | Monroe Township, | NJ |
| Ostro; Marc J. | Griggstown | NJ |
| Gruner; Sol M. | Lawrenceville | NJ |

US-CL-CURRENT: 424/450

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | R00C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 20. Document ID: US 5008050 A

L1: Entry 20 of 38

File: USPT

Apr 16, 1991

US-PAT-NO: 5008050

DOCUMENT-IDENTIFIER: US 5008050 A

TITLE: Extrusion technique for producing unilamellar vesicles

DATE-ISSUED: April 16, 1991

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Cullis; Pieter R. | Vancouver | | | CA |
| Hope; Michael J. | Vancouver | | | CA |
| Bally; Marcel B. | Vancouver | | | CA |

US-CL-CURRENT: 264/4.3; 424/1.21, 424/450, 428/402.2, 436/829

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | R00C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 21. Document ID: US 4937078 A

L1: Entry 21 of 38

File: USPT

Jun 26, 1990

US-PAT-NO: 4937078

DOCUMENT-IDENTIFIER: US 4937078 A

TITLE: Liposomal local anesthetic and analgesic products

DATE-ISSUED: June 26, 1990

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|----------|-------|----------|---------|
| Mezei; Michael | Halifax | | | CA |
| Gesztes; Adrienn | Budapest | | | HU |

US-CL-CURRENT: 424/450; 514/817, 514/818

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 22. Document ID: US 4897269 A

L1: Entry 22 of 38

File: USPT

Jan 30, 1990

US-PAT-NO: 4897269

DOCUMENT-IDENTIFIER: US 4897269 A

TITLE: Administration of drugs with multiphase liposomal delivery system

DATE-ISSUED: January 30, 1990

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|---------|-------|----------|---------|
| Mezei; Michael | Halifax | | | CA |

US-CL-CURRENT: 424/450; 264/4.1, 264/4.6, 428/402.2, 436/829, 514/272, 514/78,
514/880, 514/887, 514/944

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 23. Document ID: US 4761288 A

L1: Entry 23 of 38

File: USPT

Aug 2, 1988

US-PAT-NO: 4761288

DOCUMENT-IDENTIFIER: US 4761288 A

TITLE: Multiphase liposomal drug delivery system

DATE-ISSUED: August 2, 1988

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|-------------|-------|----------|---------|
| Mezei; Michael | Nova Scotia | | | CA |

US-CL-CURRENT: 424/450; 264/4.6, 428/402.2, 436/829, 514/272, 514/78, 514/880,
514/887, 514/944

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 24. Document ID: US 4241046 A

L1: Entry 24 of 38

File: USPT

Dec 23, 1980

US-PAT-NO: 4241046

DOCUMENT-IDENTIFIER: US 4241046 A

TITLE: Method of encapsulating biologically active materials in lipid vesicles

DATE-ISSUED: December 23, 1980

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------------|---------------|-------|----------|---------|
| Papahadjopoulos; Demetrios P. | Williamsville | NY | 14221 | |
| Szoka, Jr.; Francis C. | Buffalo | NY | 14214 | |

US-CL-CURRENT: 424/420; 424/450

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 25. Document ID: US 4235871 A

L1: Entry 25 of 38

File: USPT

Nov 25, 1980

US-PAT-NO: 4235871

DOCUMENT-IDENTIFIER: US 4235871 A

TITLE: Method of encapsulating biologically active materials in lipid vesicles

DATE-ISSUED: November 25, 1980

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------------|---------------|-------|----------|---------|
| Papahadjopoulos; Demetrios P. | Williamsville | NY | 14221 | |
| Szoka, Jr.; Francis C. | Buffalo | NY | 14214 | |

US-CL-CURRENT: 424/450; 264/4.6, 424/196.11, 424/197.11, 424/204.1, 424/234.1,
424/606, 424/812, 424/94.3, 424/94.6, 428/402.2

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 26. Document ID: WO 9611670 A1

L1: Entry 26 of 38

File: EPAB

Apr 25, 1996

PUB-NO: WO009611670A1

DOCUMENT-IDENTIFIER: WO 9611670 A1

TITLE: ETHER LIPID LIPOSOMES AND THEIR THERAPEUTIC USE

PUBN-DATE: April 25, 1996

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|------------------|---------|
| MAYHEW, ERIC | |
| JANOFF, ANDREW S | |
| AHMAD, IMRAN | |
| BHATIA, SURESH K | |

INT-CL (IPC): A61 K 9/127; A61 K 31/685
EUR-CL (EPC): A61K009/127; A61K031/66

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K00C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 27. Document ID: WO 9308202 A1

L1: Entry 27 of 38

File: EPAB

Apr 29, 1993

PUB-NO: WO009308202A1

DOCUMENT-IDENTIFIER: WO 9308202 A1

TITLE: FORMATION OF STABLE LIPOSOMES FROM LIPID EXTRACTS OF ARCHAEOBACTERIA
(ARCHAEA)

PUBN-DATE: April 29, 1993

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|------------------------|---------|
| SPROTT, DENNIS G | CA |
| PATEL, GIRISHCHANDRA B | CA |
| CHOQUET, CHRISTIAN G | CA |
| EKIEL, IRENA | CA |

INT-CL (IPC): A61K 9/127; C07H 15/04; C07H 15/08; C07H 15/26
EUR-CL (EPC): A61K009/127; C07F009/10, C07H015/04

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K00C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 28. Document ID: JP 2003530339 W, WO 200176556 A2, AU 200148302 A, EP 1272161 A2, US 20030162748 A1

L1: Entry 28 of 38

File: DWPI

Oct 14, 2003

DERWENT-ACC-NO: 2002-055196

DERWENT-WEEK: 200368

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Use of lipid-based drug delivery system comprising active drug such as lysolipid derivative prodrug for treating diseases or detection of parasitic infections causing elevated phospholipase A2 level

INVENTOR: DAVIDSEN, J; FROKJAER, S ; JORGENSEN, K ; MOURITSEN, O G ; VERMEHREN, C ; FROKJER, S

PRIORITY-DATA: 2000DK-0000616 (April 12, 2000)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-----------------|------------------|----------|-------|-------------|
| JP 2003530339 W | October 14, 2003 | | 092 | A61K038/00 |
| WO 200176556 A2 | October 18, 2001 | E | 079 | A61K009/127 |
| AU 200148302 A | October 23, 2001 | | 000 | A61K009/127 |
| EP 1272161 A2 | January 8, 2003 | E | 000 | A61K009/127 |

US 20030162748 A1

August 28, 2003

000

A61K031/685

INT-CL (IPC): A61 K 9/107; A61 K 9/127; A61 K 31/685; A61 K 38/00; A61 K 47/00; A61 K 47/48; A61 P 33/00; A61 P 33/02; A61 P 33/04; A61 P 33/06; A61 P 43/00

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K00C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 29. Document ID: US 20040047903 A1, WO 200174333 A1, AU 200155211 A, EP 1267835 A1, JP 2003528908 W, US 6667053 B1

L1: Entry 29 of 38

File: DWPI

Mar 11, 2004

DERWENT-ACC-NO: 2001-662945

DERWENT-WEEK: 200419

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: A liposome having a lipid bilayer comprising D- and L- etherlipid stereoisomers is useful in treating cancer and inflammation, such as arthritic conditions, asthmatic disorders or allergic reactions

INVENTOR: AHMAD, I; JANOFF, A S ; MAYHEW, E ; AHMED, I ; JANOFF, A

PRIORITY-DATA: 2000US-0540050 (March 31, 2000), 1996US-0602669 (February 16, 1996), 1998US-0017440 (February 2, 1998), 1999US-0390395 (September 3, 1999), 2003US-0647382 (August 26, 2003)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|--------------------------|--------------------|----------|-------|-------------|
| <u>US 20040047903 A1</u> | March 11, 2004 | | 000 | A61K009/127 |
| <u>WO 200174333 A1</u> | October 11, 2001 | E | 048 | A61K009/127 |
| <u>AU 200155211 A</u> | October 15, 2001 | | 000 | |
| <u>EP 1267835 A1</u> | January 2, 2003 | E | 000 | A61K009/127 |
| <u>JP 2003528908 W</u> | September 30, 2003 | | 050 | A61K031/661 |
| <u>US 6667053 B1</u> | December 23, 2003 | | 000 | A61K009/133 |

INT-CL (IPC): A61 K 9/127; A61 K 9/133; A61 K 31/661; A61 K 45/00; A61 K 47/24; A61 K 47/28; A61 P 7/00; A61 P 31/04; A61 P 35/00; A61 P 35/02; A61 P 43/00; C07 F 9/10

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K00C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 30. Document ID: US 6180137 B1

L1: Entry 30 of 38

File: DWPI

Jan 30, 2001

DERWENT-ACC-NO: 2001-234227

DERWENT-WEEK: 200404

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Ether-lipid containing multiple lipid liposomes, useful for treatment of inflammation and cancer

INVENTOR: AHMAD, I; BHATIA, S K ; JANOFF, A S ; MAYHEW, E

PRIORITY-DATA: 1998US-0017440 (February 2, 1998), 1996US-0602669 (February 16, 1996), 1999US-0390395 (September 3, 1999)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|------------------|----------|-------|-------------|
| US 6180137 B1 | January 30, 2001 | | 011 | A61K009/127 |

INT-CL (IPC): A61 K 9/127

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGS | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

| | | | | | |
|-------|---------------------|-------|-----------|----------|---------------|
| Clear | Generate Collection | Print | Print ROL | Flow ROL | Generate PDFs |
|-------|---------------------|-------|-----------|----------|---------------|

| | |
|------------------------------------|-----------|
| Terms | Documents |
| (ether adj1 \$lipid) same liposome | 38 |

Display Format: [Change Format](#)

[Previous Page](#) [Next Page](#) [Go to Doc#](#)

Hit List



Search Results - Record(s) 31 through 38 of 38 returned.

☐ 31. Document ID: DE 19913640 A1, KR 2000061075 A

Using default format because multiple data bases are involved.

L1: Entry 31 of 38

File: DWPI

Sep 28, 2000

DERWENT-ACC-NO: 2000-639578

DERWENT-WEEK: 200124

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Pharmaceutical composition comprising drug, e.g. anticancer agent, encapsulated in liposomes, containing polymer-lipid conjugate as stabilizer to inhibit liposome aggregation

INVENTOR: CHENG, J

PRIORITY-DATA: 1999DE-1013640 (March 25, 1999), 1999KR-0009859 (March 23, 1999)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-----------------|--------------------|----------|-------|-------------|
| DE 19913640 A1 | September 28, 2000 | | 011 | A61K009/127 |
| KR 2000061075 A | October 16, 2000 | | 000 | A61K009/127 |

INT-CL (IPC): A61 K 9/127

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | EMBL | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 32. Document ID: CN 1262925 A

L1: Entry 32 of 38

File: DWPI

Aug 16, 2000

DERWENT-ACC-NO: 2000-639142

DERWENT-WEEK: 200062

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Preparation of liposomes for enclosing medicine involves adding polyalkyl ether lipid to prevent liposome agglutination

INVENTOR: ZHENG, R

PRIORITY-DATA: 1999CN-0100709 (February 11, 1999)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|--------------|-----------------|----------|-------|-------------|
| CN 1262925 A | August 16, 2000 | | 000 | A61K009/127 |

INT-CL (IPC): A61 K 9/127; A61 K 9/50; A61 K 9/52; A61 K 31/70

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K00C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 33. Document ID: US 5965159 A

L1: Entry 33 of 38

File: DWPI

Oct 12, 1999

DERWENT-ACC-NO: 1999-589894

DERWENT-WEEK: 200404

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: New liposome, useful for the treatment of e.g. cancer, comprises a phosphatidylcholine, a sterol, a headgroup-derivatised lipid and an ether lipid

INVENTOR: AHMAD, I; BHATIA, S K ; JANOFF, A S ; MAYHEW, E

PRIORITY-DATA: 1998US-0017440 (February 2, 1998), 1996US-0602669 (February 16, 1996)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------------|------------------|----------|-------|-------------|
| <u>US 5965159 A</u> | October 12, 1999 | | 011 | A61K009/127 |

INT-CL (IPC): A61 K 9/127

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K00C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 34. Document ID: US 5762958 A

L1: Entry 34 of 38

File: DWPI

Jun 9, 1998

DERWENT-ACC-NO: 1998-347243

DERWENT-WEEK: 200404

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Multilayered component ether lipid liposomes - useful as drug delivery vehicles or for treatment of cancers and inflammatory disorders

INVENTOR: AHMAD, I; BHATIA, S K ; JANOFF, A S ; MAYHEW, E

PRIORITY-DATA: 1996US-0602669 (February 16, 1996), 1994US-0323042 (October 14, 1994)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------------|--------------|----------|-------|-------------|
| <u>US 5762958 A</u> | June 9, 1998 | | 008 | A61K009/127 |

INT-CL (IPC): A61 K 9/127

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K00C | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 35. Document ID: WO 9731624 A1, AU 9723169 A

L1: Entry 35 of 38

File: DWPI

Sep 4, 1997

DERWENT-ACC-NO: 1997-470450

DERWENT-WEEK: 199743

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Enhancing delivery of bio-active agents to cell cytoplasm - from liposomes containing (alkenyl, alkyl)- or (di:alkenyl)-glycerophosphate ester which is cleaved by lower cell pH to release the agent

INVENTOR: LOW, P S; RUI, Y ; THOMPSON, D H ; WANG, S

PRIORITY-DATA: 1996US-012353P (February 27, 1996)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|--------------------|----------|-------|-------------|
| WO 9731624 A1 | September 4, 1997 | E | 040 | A61K009/127 |
| AU 9723169 A | September 16, 1997 | | 000 | A61K009/127 |

INT-CL (IPC): A61 K 9/127

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 36. Document ID: DE 59708666 G, DE 19607722 A1, WO 9731927 A1, AU 9718795 A, EP 883624 A1, EP 883624 B1

L1: Entry 36 of 38

File: DWPI

Dec 12, 2002

DERWENT-ACC-NO: 1997-436465

DERWENT-WEEK: 200282

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: New tetra:ether lipid for making liposome(s) - with saccharide (derivative) group, phospho group, and poly(isoprene) linker groups between two glycerol units

INVENTOR: ANTONOPOULOS, E; BAKOWSKY, U ; FREISLEBEN, H ; ROTHE, U ; FREISLEBEN, H J

PRIORITY-DATA: 1996DE-1007722 (February 29, 1996)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|----------------|--------------------|----------|-------|------------|
| DE 59708666 G | December 12, 2002 | | 000 | C07H015/04 |
| DE 19607722 A1 | September 4, 1997 | | 036 | C07H015/04 |
| WO 9731927 A1 | September 4, 1997 | G | 092 | C07H015/04 |
| AU 9718795 A | September 16, 1997 | | 000 | C07H015/04 |
| EP 883624 A1 | December 16, 1998 | G | 000 | C07H015/04 |
| EP 883624 B1 | November 6, 2002 | G | 000 | C07H015/04 |

INT-CL (IPC): A61 K 9/127; A61 K 31/57; A61 K 31/70; A61 K 38/28; B01 D 15/08; B01 J 13/02; C07 F 9/10; C07 F 9/655; C07 H 15/04; C07 H 15/08; C07 H 15/26; C12 N 1/20; C12 P 7/24

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K00C | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 37. Document ID: KR 381449 B, WO 9611670 A1, AU 9537625 A, FI 9701494 A, NO 9701643 A, EP 785773 A1, BR 1100697 A3, JP 10507450 W, KR 97705378 A, AU 707414 B, EP 785773 B1, ES 2153053 T3, DE 69519802 E, NO 316206 B1

L1: Entry 37 of 38

File: DWPI

Jul 18, 2003

DERWENT-ACC-NO: 1996-221731

DERWENT-WEEK: 200409

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: New liposome(s) contg an ether lipid - used for treating cancers or inflammatory disorders e.g. arthritis, asthma or allergies

INVENTOR: AHMAD, I; BHATIA, S K ; JANOFF, A S ; MAYHEW, E ; BHATIA, S

PRIORITY-DATA: 1994US-0323042 (October 14, 1994)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|----------------------|-------------------|----------|-------|-------------|
| <u>KR 381449 B</u> | July 18, 2003 | | 000 | A61K031/685 |
| <u>WO 9611670 A1</u> | April 25, 1996 | E | 045 | A61K009/127 |
| <u>AU 9537625 A</u> | May 6, 1996 | | 000 | A61K009/127 |
| <u>FI 9701494 A</u> | April 10, 1997 | | 000 | A61K000/00 |
| <u>NO 9701643 A</u> | June 9, 1997 | | 000 | A61K009/127 |
| <u>EP 785773 A1</u> | July 30, 1997 | E | 000 | A61K009/127 |
| <u>BR 1100697 A3</u> | April 28, 1998 | | 000 | A61K009/127 |
| <u>JP 10507450 W</u> | July 21, 1998 | | 046 | A61K047/06 |
| <u>KR 97705378 A</u> | October 9, 1997 | | 000 | A61K009/127 |
| <u>AU 707414 B</u> | July 8, 1999 | | 000 | A61K009/127 |
| <u>EP 785773 B1</u> | January 3, 2001 | E | 000 | A61K009/127 |
| <u>ES 2153053 T3</u> | February 16, 2001 | | 000 | A61K009/127 |
| <u>DE 69519802 E</u> | February 8, 2001 | | 000 | A61K009/127 |
| <u>NO 316206 B1</u> | December 19, 2003 | | 000 | A61K009/127 |

INT-CL (IPC): A61 K 0/00; A61 K 9/127; A61 K 31/685; A61 K 47/06

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K00C | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 38. Document ID: US N8402783 N

L1: Entry 38 of 38

File: DWPI

Dec 15, 1995

DERWENT-ACC-NO: 1996-128987

DERWENT-WEEK: 200173

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Sn-2,3 and -2,3,2',3' liposome ether lipid use to encapsulate antigen - useful for stable, low permeability liposome delivery system with acid- and lipase-resistance esp. for the prepn. of oral vaccines

INVENTOR: CHANG, E L

PRIORITY-DATA: 1995US-0402783 (March 13, 1995)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|-------------------|----------|-------|------------|
| US N8402783 N | December 15, 1995 | | 027 | A61K000/00 |

INT-CL (IPC): A61K 0/00

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

| | | | | | |
|-------|---------------------|-------|--------------|---------------|---------------|
| Clear | Generate Collection | Print | Forward Refs | Backward Refs | Generate OACS |
|-------|---------------------|-------|--------------|---------------|---------------|

| | |
|------------------------------------|-----------|
| Terms | Documents |
| (ether adj1 \$lipid) same liposome | 38 |

Display Format: [Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List



Search Results - Record(s) 1 through 14 of 14 returned.

☐ 1. Document ID: US 6740333 B2

Using default format because multiple data bases are involved.

L6: Entry 1 of 14

File: USPT

May 25, 2004

US-PAT-NO: 6740333

DOCUMENT-IDENTIFIER: US 6740333 B2

TITLE: Suppository and composition comprising at least one polyethylene glycol

DATE-ISSUED: May 25, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------------|------------|-------|----------|---------|
| Beckett; Christian Westy | Aalsgaarde | | | DK |
| Eliassen; Per Robert Topp | Koersoer | | | DK |

US-CL-CURRENT: 424/436; 424/DIG.5, 514/965, 514/966

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | EMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 2. Document ID: US 6710086 B1

L6: Entry 2 of 14

File: USPT

Mar 23, 2004

US-PAT-NO: 6710086

DOCUMENT-IDENTIFIER: US 6710086 B1

TITLE: Protected forms of pharmacologically active agents and uses therefor

DATE-ISSUED: March 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------|-------|----------|---------|
| Lai; Ching-San | Encinitas | CA | | |
| Wang; Tingmin | San Marcos | CA | | |
| Vassilev; Vassil P. | San Diego | CA | | |

US-CL-CURRENT: 514/599; 514/423, 514/514, 514/706, 558/235

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | EMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 3. Document ID: US 6667053 B1

L6: Entry 3 of 14

File: USPT

Dec 23, 2003

US-PAT-NO: 6667053

DOCUMENT-IDENTIFIER: US 6667053 B1

TITLE: D and L etherlipid stereoisomers and liposomes

DATE-ISSUED: December 23, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|----------|-------|----------|---------|
| Ahmad; Imran | Cranbury | NJ | | |
| Mayhew; Eric | Seattle | WA | | |
| Janoff; Andrew | Yardley | PA | | |

US-CL-CURRENT: 424/450; 428/402.2

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGURE | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|

☐ 4. Document ID: US 6649591 B2

L6: Entry 4 of 14

File: USPT

Nov 18, 2003

US-PAT-NO: 6649591

DOCUMENT-IDENTIFIER: US 6649591 B2

**** See image for Certificate of Correction ****

TITLE: Polydithicarbamate-containing non-targeting macromolecules and the use thereof for therapeutic and diagnostic applications

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|-----------|-------|----------|---------|
| Lai; Ching-San | Encinitas | CA | | |

US-CL-CURRENT: 514/6; 424/9.3, 424/9.34, 424/9.35, 514/2, 514/44, 514/476, 514/483, 514/54, 530/403, 530/404, 530/405, 536/123, 536/123.1, 536/22.1

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGURE | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|

☐ 5. Document ID: US 6596770 B2

L6: Entry 5 of 14

File: USPT

Jul 22, 2003

US-PAT-NO: 6596770

DOCUMENT-IDENTIFIER: US 6596770 B2

TITLE: Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor

DATE-ISSUED: July 22, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Lai; Ching-San | Encinitas | CA | | |
| Vassilev; Vassil | San Diego | CA | | |

US-CL-CURRENT: 514/599; 514/357, 514/408, 514/706, 514/707, 514/851

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | MMO | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 6. Document ID: US 6589991 B1

L6: Entry 6 of 14

File: USPT

Jul 8, 2003

US-PAT-NO: 6589991

DOCUMENT-IDENTIFIER: US 6589991 B1

TITLE: Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor

DATE-ISSUED: July 8, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Lai; Ching-San | Encinitas | CA | | |
| Vassilev; Vassil | San Diego | CA | | |

US-CL-CURRENT: 514/599

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | MMO | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 7. Document ID: US 6407135 B1

L6: Entry 7 of 14

File: USPT

Jun 18, 2002

US-PAT-NO: 6407135

DOCUMENT-IDENTIFIER: US 6407135 B1

TITLE: Conjugates of dithiocarbamates with pharmacologically active agents and uses therefor

DATE-ISSUED: June 18, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|-----------|-------|----------|---------|
| Lai; Ching-San | Encinitas | CA | | |

Wang; Tingmin San Marcos CA

US-CL-CURRENT: 514/423; 514/2, 514/514, 530/402, 548/565, 548/573

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 8. Document ID: US 6395299 B1

L6: Entry 8 of 14

File: USPT

May 28, 2002

US-PAT-NO: 6395299

DOCUMENT-IDENTIFIER: US 6395299 B1

TITLE: Matrices for drug delivery and methods for making and using the same

DATE-ISSUED: May 28, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|------------|-------|----------|---------|
| Babich; John W. | Scituate | MA | | |
| Zubietta; Jon | Syracuse | NY | | |
| Bonavia; Grant | Kensington | MD | | |

US-CL-CURRENT: 424/484

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 9. Document ID: US 6316502 B1

L6: Entry 9 of 14

File: USPT

Nov 13, 2001

US-PAT-NO: 6316502

DOCUMENT-IDENTIFIER: US 6316502 B1

TITLE: Therapeutic methods employing disulfide derivatives of dithiocarbonates and compositions useful therefor

DATE-ISSUED: November 13, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-----------|-------|----------|---------|
| Lai; Ching-San | Encinitas | CA | | |
| Vassilev; Vassil | San Diego | CA | | |

US-CL-CURRENT: 514/599; 514/707, 514/825, 514/838, 514/851, 514/861, 514/866,
514/885, 514/903, 514/912, 514/925

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|

☐ 10. Document ID: US 6274627 B1

L6: Entry 10 of 14

File: USPT

Aug 14, 2001

US-PAT-NO: 6274627

DOCUMENT-IDENTIFIER: US 6274627 B1

TITLE: Conjugates of dithiocarbamate disulfides with pharmacologically active agents and uses therefor

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|------------|-------|----------|---------|
| Lai; Ching-San | Encinitas | CA | | |
| Vassilev; Vassil P. | San Diego | CA | | |
| Wang; Tingmin | San Marcos | CA | | |

US-CL-CURRENT: 514/599; 514/706, 514/707

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMIC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 11. Document ID: US 6030960 A

L6: Entry 11 of 14

File: USPT

Feb 29, 2000

US-PAT-NO: 6030960

DOCUMENT-IDENTIFIER: US 6030960 A

TITLE: Method of treating hepatitis virus infections

DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------------|-----------|-------|----------|---------|
| Morris-Natschke; Susan L. | Apex | NC | | |
| Kucera; Louis S. | Pfafftown | NC | | |

US-CL-CURRENT: 514/77; 514/43, 514/893, 514/894, 536/26.9, 536/28.6, 536/28.7, 536/28.8, 546/22, 548/112, 558/169, 558/174, 987/102, 987/209, 987/224, 987/233

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RMIC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 12. Document ID: US 5962437 A

L6: Entry 12 of 14

File: USPT

Oct 5, 1999

US-PAT-NO: 5962437

DOCUMENT-IDENTIFIER: US 5962437 A

**** See image for Certificate of Correction ****

TITLE: Lipid analogs for treating viral infections

DATE-ISSUED: October 5, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------------|-------------|-------|----------|---------|
| Kucera; Louis S. | Pfafftown | NC | | |
| Morris-Natschke; Susan L. | Apex | NC | | |
| Ishaq; Khalid S. | Chapel Hill | NC | | |

US-CL-CURRENT: [514/77](#); [544/157](#), [544/179](#), [544/182](#), [544/2](#), [544/214](#), [544/232](#), [544/243](#),
[544/337](#), [544/5](#), [544/53](#), [544/57](#), [544/65](#), [544/66](#), [544/8](#), [544/88](#), [544/98](#), [546/22](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGURE | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|

☐ 13. Document ID: US 5916910 A

L6: Entry 13 of 14

File: USPT

Jun 29, 1999

US-PAT-NO: 5916910

DOCUMENT-IDENTIFIER: US 5916910 A

TITLE: Conjugates of dithiocarbamates with pharmacologically active agents and uses therefore

DATE-ISSUED: June 29, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|-----------|-------|----------|---------|
| Lai; Ching-San | Encinitas | CA | | |

US-CL-CURRENT: [514/423](#); [514/514](#), [548/564](#), [548/573](#), [558/235](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FIGURE | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|

☐ 14. Document ID: US 5635493 A

L6: Entry 14 of 14

File: USPT

Jun 3, 1997

US-PAT-NO: 5635493

DOCUMENT-IDENTIFIER: US 5635493 A

TITLE: Methods and compositions for poly-.beta.-1-4-N-acetylglucosamine chemotherapeutics

DATE-ISSUED: June 3, 1997

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|---------|-------|----------|---------|
| Vournakis; John N. | Hanover | NH | | |

| | | |
|-----------------------|---------------|----|
| Finkielsztejn; Sergio | Chestnut Hill | MA |
| Pariser; Ernest R. | Belmont | MA |
| Helton; Mike | Memphis | TN |

US-CL-CURRENT: [514/55](#); [514/2](#), [514/62](#), [514/8](#), [536/20](#), [536/55.2](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | FOI/EO | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|--------|----------|

| | | | | | |
|-------|---------------------|-------|--------------|---------------|----------------|
| Clear | Generate Collection | Print | Forward Refs | Backward Refs | Calculate OACS |
|-------|---------------------|-------|--------------|---------------|----------------|

| | |
|-----------------|-----------|
| Terms | Documents |
| L5 and liposome | 14 |

Display Format:

Change Format

[Previous Page](#)[Next Page](#)[Go to Doc#](#)